



KG COLLEGE OF ARTS AND SCIENCE

Autonomous Institution | Affiliated to Bharathiar University

Accredited with A++ Grade by NAAC

ISO 9001:2015 Certified Institution

KGiSL Campus, Saravanampatti, Coimbatore – 641 035

Regulations 2026 - 29 for Undergraduate Programme

Learning Outcomes Based Curriculum Framework (LOCF) model with Choice
Based Credit System (CBCS)

Programme: B.Sc. Visual Communication

Programme Code: BVC

(Applicable for the Students Admitted During the Academic Year 2026 - 27 Onwards)

Eligibility

The Student should have passed Higher Secondary Examination **(10, +2 Pattern) & Vocational** (As per the eligibility condition given by Bharathiar University **Ref. BU/R/B3-B4/Eligibility Condition/2026/7425 dated 15/05/2026**)

Program Learning Outcomes (PLOs)

The successful completion of the B.Sc. Visual Communication Programme shall enable the students to

PLO1	Mastering oral, written, graphical, and technical communication to gain competency in Graphic Design, Digital Filmmaking, and AR & VR production.
PLO2	Ability to generate innovative and impactful visual solutions for evolving Information Technology and Visual Communication needs.
PLO3	Apply critical, analytical, and creative thinking in UI & UX Design, Web & Game Design, and Animation.
PLO4	Determine and adapt production procedures in modern Print and Digital Media, adhering to professional ethics and social responsibility to meet industry demands.
PLO5	Foster industry-ready professionals and entrepreneurs equipped with AI tools, Creative thinking, and Digital imaging skills, driven by a passion for lifelong learning.

B.Sc. Visual Communication
Distribution of Credits and Hours for all the Semesters

Part	Course Category	No. of Courses	Hours		Credits		Total Credits	Semester
I	Language-I	4	4 X 4	16	4 X 3	12	12	1 - 4
II	Language-II	4	4 X 4	16	4 X 3	12	12	1 - 4
III	Core Theory (5 hrs. /Week)	7	7 X 5	35	7 X 4	28	100	1 - 6
	Core Theory (4 hrs. /Week)	1	1 X 4	4	1 X 3	3		4
	Core Lab (5 hrs. / Week)	10	10 X 5	50	10 X 3	30		1 - 6
	Core Lab (4 hrs. / Week)	3	3 X 4	12	3 X 3	9		3 & 6
	Allied Lab (4 hrs. / Week)	1	1 X 4	4	1 X 3	3		3
	Allied Lab (4 hrs. / Week)	1	1 X 4	4	1 X 2	2		4
	Allied Lab (3 hrs. / Week)	2	2 X 3	6	2 X 3	6		1 & 2
	Electives	2	2 X 5	10	2 X 3	6		5 & 6
	Project	1	1 X 5	5	1 X 5	5		6
	Internship	1	-	-	1 X 2	2		5
	Skill Enhancement (SEC)	1	1 X 4	4	1 X 2	2		3
	Skill Enhancement (SEC)	2	2 X 2	4	2 X 2	4		4 & 6
IV	Foundation Course (FC)	3	3 X 2	6	3 X 2	6	14	1,2,3
	Ability Enhancement Compulsory course (AECC)	3	3 X 2	6	3 X 2	6		1,2,4
	Ability Enhancement Compulsory Course (AECC) - MOOC	1	-	-	1 X 2	2		3
V	Liberal Arts (Extracurricular and Co-Curricular)	-	-	-	2	2	2	4
Total		46		180		140	140	

Consolidated Semester wise and Component wise
Hours and Credits Distribution

Semester	Part I		Part II		Part III		Part IV		Part V		Total	
	Hrs.	Credits	Hrs.	Credits	Hrs.	Credits	Hrs.	Credits	Hrs.	Credits	Hrs.	Credits
1	4	3	4	3	18	14	4	4	-	-	30	24
2	4	3	4	3	18	13	4	4	-	-	30	23
3	4	3	4	3	22	15	-	4	-	-	30	25
4	4	3	4	3	20	14	2	2	-	2	30	24
5	-	-	-	-	30	21	-	-	-	-	30	21
6	-	-	-	-	30	23	-	-	-	-	30	23
Total	16	12	16	12	138	100	10	14	-	2	180	140

Curriculum

B.Sc. Visual Communication

Semester - I									
Course Code	Part	Course Category	Course Name	Hours/ Week	Examination				Credits
					Duration in Hours	Maximum Marks			
						CIA	ESE	Total	
26TAM11L	I	Language - I	Tamil – I	4	3	25	75	100	3
26HIN11L			Hindi – I						
26MAL11L			Malayalam – I						
26FRE11L			French – I						
26ENG12L	II	Language – II	English – I	4	3	25	75	100	3
26BVC13C	III	Core – I	Introduction to Visual Communication	5	3	25	75	100	4
26BVC14C	III	Core – II	Design Thinking	5	3	25	75	100	4
26BVC15P	III	Core Lab – I	Visual Arts Lab	5	6	40	60	100	3
26BVC16P	III	Allied Lab – I	Digital Drawing and Painting Lab	3	3	40	60	100	3
26ENV1FC	IV	FC – I	Environmental Studies	2	2	50	-	50	2
26SOF1AE	IV	AECC – I	Soft Skills	2	2	-	50	50	2
Total				30				700	24

Semester – 2									
Course Code	Part	Course Category	Course Name	Hours / Week	Examination				Credits
					Duration in Hours	Max Marks			
						CIA	ESE	Total	
	I	Language - I	Tamil – II	4	3	25	75	100	3
	I		Hindi – II						
	I		Malayalam – II						
	I		French – II						
	II	Language - II	English – II	4	3	25	75	100	3
	III	Core III	Advertising & Branding	5	3	25	75	100	4
	III	Core Lab - II	2D Animation Techniques Lab	5	6	40	60	100	3
	III	Core Lab - III	Photography and Image Editing Lab	5	3	40	60	100	3
	III	Allied Lab – II	Living with People Lab	3	3	40	60	100	3
	IV	FC – II	Human Rights	2	2	50	-	50	2
	IV	AECC – II	Innovation & Design Thinking / Intellectual Property Rights / Entrepreneurship Development	2	2	-	50	50	2
Total				30				700	23

Semester - 3									
Course Code	Part	Course Category	Course Name	Hours/ Week	Examination				Credits
					Duration in Hours	Maximum Marks			
						CIA	ESE	Total	
	I	Language - I	Tamil – III	4	3	25	75	100	3
			Hindi – III						
			Malayalam – III						
			French – III						
	II	Language - II	English – III	4	3	25	75	100	3
	III	Core IV	Media Laws, Society and Culture	5	3	25	75	100	4
	III	Core Lab -IV	3D Animation Techniques Lab	5	3	40	60	100	3
	III	Core Lab -V	Digital Graphics and Type Design Lab	4	3	40	60	100	3
	III	Allied Lab - III	Compositing & Visual Effects Lab	4	3	40	60	100	3
	III	SEC Lab-I	Articulation Techniques Lab	4	3	40	60	100	2
	IV	FC - III	IKS / Advanced Tamil / Basic Tamil	-	-	50	-	50	2
	IV	AECC - III	Online course – MOOC	-	-	-	-	-	2
Total				30				750	25

Semester - 4									
Course Code	Part	Course Category	Course Name	Hours/ Week	Examination				Credits
					Duration in Hours	Maximum Marks			
						CIA	ESE	Total	
	I	Language - I	Tamil – IV	4	3	25	75	100	3
	I		Hindi – IV						
	I		Malayalam – IV						
	I		French – IV						
	II	Language - II	English – IV	4	3	25	75	100	3
	III	Core - V	UI, UX & Web Development	5	3	25	75	100	4
	III	Core - VI	Visual Process through Artificial Intelligence	4	3	25	75	100	3
	III	Core Lab -VI	UI & UX Design	5	3	40	60	100	3
	III	Allied IV - Lab	IKS - Indian Town Planning & Architecture	4	3	40	60	100	2
	III	SEC II - Lab	AI Tools for Design	2	3	40	60	100	2
	IV	AECC - IV	Quantitative Aptitude	2	-	50	-	50	2
	V	Extra-Curricular and Co-Curricular	Liberal Arts	-	-	50	-	50	2
Total				30				800	40

Semester – 5									
Course Code	Part	Course Category	Course Name	Hours / Week	Examination			Credits	
					Duration in Hours	Maximum Marks			
						CIA	ESE	Total	
	III	Core - VII	Virtual Reality, Augmented Reality and Mixed Reality	5	3	25	75	100	4
	III	Core Lab - VII	Digital Film Making	5	3	40	60	100	3
	III	Core Lab - VIII	AI for VFX and Animation	5	6	40	60	100	3
	III	Core Lab - IX	Sound Design	5	3	40	60	100	3
	III	Core Lab - X	AR / VR Production Design	5	6	40	60	100	3
	III	Elective - I	Digital Media Marketing (Advertising)	5	3	25	75	100	3
			Media Psychology (Digital Journalism)						
			Introduction to Folkloristic (Performing Arts)						
	III	IT	Internship /Training/ Apprenticeship	-	-	50	-	50	2
Total				30				650	21

Semester – 6									
Course Code	Part	Course Category	Course Name	Hours/ Week	Examination				Credits
					Duration in Hours	Maximum Marks			
						CIA	ESE	Total	
	III	Core - VIII	Game Design and Development	5	3	25	75	100	4
	III	Core Lab - XI	Interior and Space Design	5	6	40	60	100	3
	III	Core Lab – XII	Portfolio Design	4	3	40	60	100	3
	III	Core Lab -XIII	Environmental Design and Data Visualization	4	3	40	60	100	3
	III	Elective - II	Google Analytics (Advertising)	5	3	25	75	100	3
			Mobile Journalism (Digital Journalism)						
			Folk Performing Arts of Tamil Nadu (Performing Arts)						
	III	SEC - III	Art Direction & Dramatic Performance	2	3	25	75	100	2
	III	Core - IX	Major Project Specialization	5	3	-	100	100	5
Total				30				700	23
Grand total				180				4300	140

Semester – 1

Semester - I									
Course Code	Part	Course Category	Course Name	Hours/ Week	Examination				Credits
					Duration in Hours	Maximum Marks			
						CIA	ESE	Total	
26TAM11L	I	Language - I	Tamil – I	4	3	25	75	100	3
26HIN11L			Hindi – I						
26MAL11L			Malayalam – I						
26FRE11L			French – I						
26ENG12L	II	Language - II	English – I	4	3	25	75	100	3
26BVC13C	III	Core - I	Introduction to Visual Communication	5	3	25	75	100	4
26BVC14C	III	Core - II	Design Thinking	5	3	25	75	100	4
26BVC15P	III	Core Lab - I	Visual Arts Lab	5	6	40	60	100	3
26BVC16P	III	Allied Lab – I	Digital Drawing and Painting Lab	3	3	40	60	100	3
26ENV1FC	IV	FC – I	Environmental Studies	2	2	50	-	50	2
26SOF1AE	IV	AECC – I	Soft Skills	2	2	-	50	50	2
Total				30				700	24

Part – I: Language I – Tamil – I

Course Code	Course Name	Category	Hours / Week	Credits
26TAM11L	Tamil - I	Language – I	4	3

Course Objectives

The Course intends to cover

- இலக்கியத்தின் வளர்ச்சி நிலைகளைக் கற்பித்தல்
- மொழியியல் அடிப்படையில் இலக்கணம் கற்பித்தல்
- திறனாய்வு முறையினை ஊக்குவித்தல்
- படைப்பாக்கத் திறன் பயிற்சி அளித்தல்

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO	CLO Statements	Knowledge Level
CLO1	புதுக்கவிதையின் மூலம் வாழ்வியல் விழுமியங்களை உணர்ந்து கொள்வர்.	K1, K2
CLO2	சிறந்த மற்றும் வாழும் கவிஞர்களின் கவிதை வழியாக தர்மம், அன்பு, ஈகை போன்ற மனித மாண்புகளை அறிந்து கொள்வர்.	K2, K3
CLO3	சிறந்த படைப்பாளர்களின் சிறுகதைகள் மற்றும் குறுநாவலில் வெளிப்படும் சமூகச் சிந்தனைகளை அறிந்து ஒழுகுதல்.	K3
CLO4	தற்கால இலக்கியங்களான புதுக்கவிதை, சிறுகதை தோன்றி வளர்ந்த பின்புலத்தை அறிதல்.	K1, K3
CLO5	மொழித்திறனைக் கற்றலின் வாயிலாக நடைமுறை வாழ்வியலுக்குத் தேவையான சிறுகதை மற்றும் புதுக்கவிதைகளைப் படைத்தல்.	K2, K3
K1 - Remember; K2 - Understand; K3 – Apply		

Part – I: Language – I: தமிழ் - I

Unit	Content	No. of Hours
I	நாட்டுப்பற்று 1. பாரதியார் - உலகத்தை நோக்கி வினவுதல் 2. பாரதிதாசன் - தமிழ்ப்பேறு 3. கவிமணி - ஒற்றுமையே உயிர்நிலை 4. தேவதேவன் - சாலையும் மரங்களும் செருப்பும், புதிய வீடு 5. அப்துல் ரகுமான் - போட்டி, பாதை 6. கவிஞர் வாலி - புத்தகச் சந்தை	14
II	சமூகம் 1. ஈரோடு தமிழன்பன் - எட்டாவது சீர்... 2. கவிஞர் தாமரை - தொலைந்து போனேன் 3. நா. காமராசன் - திருநங்கைகள் காகிதப் பூக்கள் 4. வைரமுத்து - மரங்களைப் பாடுவேன் 5. அமுத பாரதி - புள்ளிப் பூக்கள் (ஹைக்கூ) 6. நாட்டுப்புறப் பாடல்கள் (தாலாட்டுப் பாடல் , தெம்மாங்கு பாடல் , உழவுத்தொழில்)	14
III	வாழ்வியல் சிறுகதை 1. காஞ்சனை - புதுமைப்பித்தன் 2. சோற்றுக் கணக்கு - ஜெயமோகன் 3. மரத்தைக் கர்ப்பம் சுமந்தவள் - ஆண்டாள் பிரியதர்சினி குறுநாவல் • ஆயிஷா – இரா.நடராசன்	12
IV	இலக்கிய வரலாறு 1. மரபுக்கவிதையின் தோற்றமும் வளர்ச்சியும் 2. புதுக்கவிதையின் தோற்றமும் வளர்ச்சியும் 3. ஹைக்கூ கவிதையின் தோற்றமும் வளர்ச்சியும் 4. சிறுகதையின் தோற்றமும் வளர்ச்சியும்	10
V	இலக்கணம் மற்றும் படைப்பாற்றல் 1. எழுத்துகள் (முதல் எழுத்துகள், சார்பெழுத்துகள்) 2. எழுத்துக்களின் பிறப்பு 3. மாத்திரைகள் படைப்பாற்றல் திறன்(சிறுகதை மற்றும் புதுக்கவிதைப் படைத்தல்)	10
Total Hours		60

Reference Books

1	பேரா. குருசாமி, ம.ரா.போ. (2014), பாரதி பாடல்கள், ஆய்வுப் பாதிப்பு, தமிழ்ப் பல்கலைக் கழகம், தஞ்சாவூர்.
2	அப்துல் ரகுமான்,(2000), ஆலாபனை, கவிக்கோ பதிப்பகம்.
3	தாமரை, (1995), ஒரு கதவும் கொஞ்சம் கள்ளிப்பாலும் கவிதை தொகுப்பு, காந்தளகம் பதிப்பகம், சென்னை.
4	வரதராசனார் மு, (2021), தமிழ் இலக்கிய வரலாறு, சாகித்ய அகாடமி பதிப்பு.
5	முனைவர் பஞ்சாங்கம் கா, (2017), தமிழ் இலக்கிய வரலாறு, காவ்யா பதிப்பகம்.
6	முனைவர் வேங்கடராமன் கா. கோ (2008), தமிழ் இலக்கிய வரலாறு, கலையக வெளியீடு.
7	ஜெயமோகன், (2024), அறம் (சிறுகதை), விஷ்ணுபுரம் பதிப்பகம்.
8	இரா.நடராசன், (2022) ஆயிஷா, பாரதி புத்தகாலயம்.
9	குமரன் கோ (2010), தமிழ் இலக்கணம் எளிய அறிமுகம் , சந்தியா பதிப்பகம்.
10	சக்திவேல் சு,(2012), நாட்டுப்புறவியல், மணிவாசகர் பதிப்பகம்.

Part – I : Language I – Hindi – I

Course Code	Course Name	Category	Hours / Week	Credits
26HIN11L	Hindi - I	Language - I	4	3

Course Objectives

The Course intends to

- Improve grammatical knowledge
- Continue to read and learn about articles and think about them
- Read and understand short stories and the thoughts and life of the people of this country
- Provide translation knowledge and the ability to read and analyse a message are also gained

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO	CLO Statements	Knowledge Level
CLO1	Understand the text styles and grammatical elements.	K1
CLO2	Discuss the content of a reading passage.	K2
CLO3	Develop an interest in the appreciation of short stories.	K2, K3
CLO4	Comprehend the grammatical structures and sentence making.	K3
CLO5	Understand the language and developing English to Hindi translation skill.	K4
K1 - Remember; K2 - Understand; K3 – Apply; K4-Analyse		

Part – I: Language – I - Hindi - I

Unit	Content	No. of Hours
I	Prose : Bharthi Gadya Sangrah 1. Sanskurthi hai kya? (Lalith nibandh)- Ramdhari singh Dinkar 2. Voh cheeni Bhayi (Rekha chitra) – Mahadevi varma 3. Badthe shor ka gahratha sankat (pradoshan) - Rajendrakumr ray & Ravindra Varma 4. Ghar Loutthe huye – (Athma katha) – Harivamshraai Bacchan 5. Paramanu urja evam khadya padarth samrakshan (vaigyanik lek) - Parmaanurja vibhag (Bharth sarkar) 6. Cinema (film) – Manmohan Chdda	14
II	Non Detailed Text Short Stories: Aat Kahaniyan 1. Vrat-bang - Jayashankar Prasad 2. Sath gathi - Premchand 3. parda - Yespal 4. Apna apna bhagya - Jaynendrakumar 5. Bhrammarakshas ka shishya - Mukthibhodh 6. Dana-bhusa - Markandeya	14
III	Grammar : Shabdha Vichar only (Noun, Pronoun, Adjective, Verb, Tense, Case Endings) Theoretical & Applied.	12
IV	Translation : English – Hindi only Anuvadh Abhyas – III (1-15 Lessons only)	10
V	Comprehension: 1 Passage From Anuvadh Abhyas–III (16-30)	10
Total Hours		60

Text Books

1	Bharathi gadya sangrah, editor: Madhudhavan, publisher: Vani prakashan, 4697/5, Daryaganch, New Delhi – 110002.
2	Aatt Kahaniyan, Editor : Dr. H.R. Mihir, Publisher : Jaya bharthi prakashan, 267 B, Maya press Road, Allahabad–211 003

Reference Book

1	Naveenhindivakaran, 2002, Dakshin Bharat Hindi Prachar, Sabha, Chennai–600017
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Part – I: Language – I - Malayalam – I

Course Code	Course Name	Category	Hours / Week	Credits
26MAL11L	Malayalam - I	Language - I	4	3

Course Objectives

The Course intends to

- Improve grammatical knowledge
- Read and learn about articles and think about them
- Read and understand short stories and understand the thoughts and life of the people of this state
- Provide translation knowledge and the ability to read and analyze a message

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO	CLO Statements	Knowledge Level
CLO1	Understand the text styles and grammatical elements	K1
CLO2	Discuss the content of a reading passage	K1
CLO3	Develop an interest in the appreciation of short stories	K2
CLO4	Comprehend the grammatical structures and sentence making	K3
CLO5	Understand the language and developing English to Malayalam translation skill	K4
K1 - Remember; K2 - Understand; K3 – Apply ; K4-Analyse.		

Part – I: Language – I - Malayalam – I

Unit	Content	No. of Hours
I	Novel – Njanabharam - E. Santhoshkumar	14
II	Novel – Njanabharam - E. Santhoshkumar	14
III	Short Story - Ente Priyapetta Kadhakal –Sara Joseph	12
IV	Short Story - Ente Priyapetta Kadhakal – Sara Joseph	10
V	Composition & Translation (English to Malayalam)	10
	Total Hours	60

Text Books

- 1 Novel -Njanabharam - E. (2018) Santhoshkumar, Mathrubhumi Books, Kochi, Kerala.
- 2 Short Story-Ente Priyappeta Kadhakal -Sara Joseph, (2005) D.C.Books,Kottayam, Kerala.
- 3 Expansion of ideas, General Essay and Translation. (A Simple passage).

Reference Books

- 1 Malayala Novel SahithyaCharitram-K.M.Tharakan (2018) (N.B.S.Kottayam)
- 2 Cherukatha Innale Innu-M.Achuyuthan (2020) (D.C Books, Kottayam)
- 3 Sahithya Charitram Prasthanangalilude- Dr.K.M George, (2017) (D.C.Books Kottayam)
- 4 Malayala Sahithyavimarsam- Sukumar Azheekode (2022) (D.C.books)

Part – I: Language I – French - I

Course Code	Course Name	Category	Hours / Week	Credits
26FRE11L	French - I	Language - I	4	3

Course Objectives

The Course intends to cover

- Familiar everyday expressions and basic phrases aimed at the satisfaction of concrete needs.
- Key aspects and recognize of Francophone cultures such as greetings, etiquette, daily life, and basic geography of French-speaking countries.
- Short, simple texts such as postcards, emails, or short descriptions about themselves and their immediate environment.
- Construction of simple sentences using correct word order and basic vocabulary.
- The developing of sensitivity to cross-cultural differences in communication and social practices.
- The reading and understanding of short, simple texts such as personal messages, advertisements, menus, and schedules.

Course Outcomes

On the successful completion of the course, student will be able to

CLO	CLO Statements	Knowledge Level
CLO1	Improve all the four French language skills (speaking, listening, reading, and writing) (Effective communicators).	K1
CLO2	Comprehend French and other Francophone nations' cultures and civilizations.	K2
CLO3	Comprehend the fundamentals of language structure, vocabulary, grammar, and phonetics (language skill).	K3
CLO4	The French DELF-A1 Certification is appreciated.	K4
K1 - Remember; K2 - Understand; K3 – Apply; K4-Analyse		

Part – I: Language – I French – I

Unit	Content	No. of Hours
I	Grammaire: pg(122-124) Bienvenue (pg 10-17)	14
II	Contacts(pg 18-28) Grammaire: pg(125-128)	14
III	Communication pg(29-33) Grammaire: pg(129-130)	12
IV	Qu'est-ce qu'il font pg(34-44) Grammaire: pg(131-136)	10
V	Communication pg(45-49) Grammaire: pg(137-139)	10
Semester I Portions from Textbook « Nouvelle Génération A1» :UNITÉ 1, UNITÉ 2 (Pg 10-49). Cahier d'exercices (Pg122-139)		
Total Hours		60

Reference Books

1	Luca Giachino, Carla Baracco, Romain Chrétien (DELF), (2022) Nouvelle Génération A1, Didier FLE.
2	Nathalie Hirschsprung, Tony Tricot, 2017, Cosmopolite, Hachette.

Part – II: Language – II - English**–I****(All the Undergraduate Programmes)**

Course Code	Course Name	Category	Hours / Week	Credits
26ENG12L	English-I	Language-II	4	3

Course Objectives

The course intends to cover

- Textual analysis of poetry and short stories that explore themes of *nature* and *morality*.
- Vocabulary through contextual guessing, lexical relations and diverse word formation processes.
- Usage of Grammar and Communication

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO	CLO Statements	Knowledge Level
CLO1	Identify and interpret poetic elements in nature poetry to nurture aesthetic sensibility, creativity, and cultural awareness.	K1, K2
CLO2	Apply characterization and narrative techniques to appreciate literary qualities in short stories and to comprehend ethical responsibility through textual analysis.	K2,K3
CLO3	Employ grammatical proficiency in nouns, pronouns, and verbs to enhance clarity and correctness in academic and workplace communication.	K3, K4
CLO4	Apply vocabulary strategies to enhance clarity in diverse communicative situations.	K3
CLO5	Demonstrate effective communication skills that support professional growth and lifelong learning.	K3
K1 - Remember; K2 - Understand; K3 – Apply; K4-Analyse		

Language II : Part II - English-I

Unit	Content	No. of Hours
I	Poetry : Nature 1. I Wandered Lonely as a Cloud - William Wordsworth 2. The Bird Sanctuary - Sarojini Naidu 3. Stopping by Woods on a Snowy Evening – Robert Frost	12
II	Short Stories: Morality 1. The Necklace – Guy de Maupassant 2. The Taxi Driver – K.S. Duggal 3. The Monkey’s Paw - W. W. Jacobs	12
III	Grammar 1. Nouns: Types, Singular vs. Plural forms, Case and Gender, Common errors with nouns 2. Pronouns: Types, Personal, Possessive, Reflexive, Intensive (Emphatic), Demonstrative, Relative, Interrogative, Indefinite, and Reciprocal pronouns, Common errors with pronouns 3. Verbs: Action verbs and linking verbs, Transitive and intransitive verbs, Auxiliary verbs and Modal verbs, Verb tenses, Common errors with verbs	12
IV	Language Competency: Vocabulary 1. Vocabulary: Synonyms, Antonyms, Guessing meaning from context, 2. Word Formation: Homonyms, Homophones, Homographs, Portmanteau words, Collocations, Compounding Words, Root Words, Prefixes and Suffixes, Clipping, Acronym, Abbreviations, Reduplication	12
V	English for Communication 1. Listening for General and Specific Information. 2. Self - Introduction, Introducing others, Greetings. 3. Intensive Reading - a prose passage, a poem and a short story 4. Descriptive writing – writing descriptive essays in two to three paragraphs.	12
Total Hours		60
Reference Books		
1.	Carter, R., McCarthy, M., Mark, G., & O’Keeffe, A. (2016). English Grammar Today. Cambridge University Press.	
2.	Swan, M. (2021). Practical English Usage (4 th ed.). Oxford University Press.	
3.	McCarthy, M., & O’Dell, F. (2017). English Vocabulary in Use: Advanced (3 rd ed.). Cambridge University Press.	
4.	Ramazani, J., Ellmann, R., & O’Clair, R. (Eds.). (2003). The Norton Anthology of Modern and Contemporary Poetry (Vols. 1–2). W. W. Norton & Company.	
5.	Wren, P. C., & Martin, H. (2015). High School English Grammar and Composition (50 th ed.). S. Chand & Company.	
6.	Jones, L. (2015). Cambridge English for Life Skills. Cambridge University Press.	
Web Resources (Swayam/NPTEL)		
1.	https://nptel.ac.in/courses/109105205	

Course Code	Course Name	Category	Hours / Week	Credits
26BVC13C	Introduction to Visual Communication	Core - I	5	4

Course Objectives

The course intends to cover

- The Fundamentals of Visual Communication.
- Different modes of Visual Communication and its process.
- Various levels of Communication and Techniques for analyses.
- The Models and Theories of Communication

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO	CLO Statements	Knowledge Level
CLO1	Understand various aspects of communication and its respective principles.	K2
CLO2	Apply modes of communication and its process.	K3
CLO3	Interpret signals, languages, and signs of visual communication.	K4
CLO4	Arbitrate appropriate messages by distinguishing multi-level communication flows.	K4
CLO5	Analyze the behavior of information and communication systems in contemporary media.	K4
K2 - Understand; K3 - Apply; K4 – Analyze		

CLO – PLO Mapping

CLOs/PLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	2	1	-	1	2
CLO2	2	-	2	-	-
CLO3	3	2	3	2	-
CLO4	2	2	-	2	2
CLO5	2	2	-	-	2
3 - Substantial (high)		2 - Moderate (medium)		1 - Slight (low)	

Core – I: Introduction to Visual Communication

Unit	Content	No. of Hours
I	Basics of Visual Communication: Fundamentals of Communication - Elements of Communication – Functions & Purpose of Communication - Barriers to Communication – Communication Skills - Role of Communication.	12
II	Modes of Communication: Key Concepts in Nonverbal Communication (NVC) - Proxemics - Digital NVC - Virtual Reality and Digital Culture. Semantics - Written Forms of Communication with AI tools - Semiotics - Visual Perception - Symbolism and Iconography - Objectivism vs. Subjectivism - Aesthetic Experience - Creativity and Expression in Art - Cross Cultural Communication. Virtual Reality and Digital Culture.	15
III	Types of Communication: Intrapersonal Communication - Interpersonal Communication - Group Communication - Mass Communication.	15
IV	Models of Communication: Berlo, Lasswell, Shannon and Weaver Models - Elaboration Likelihood Model - Dance Helical Model - Principles of Good Communication and Non-violent Communication - Ethical Communication.	15
V	Theories of Communication: Agenda Setting Theory – Cultivation Theory – Social Learning Theory – Uses and Gratifications Theory - Two Step Flow of Information - Information Disorder and post truth theory.	18
Total Hours		75
Text Books		
1.	Denis Mcquail , (2020). Mcquail's Media and Mass Communication Theory. Sage Publications.	
2.	Keval J. Kumar , (2020). Mass Communication in India. 5 th edition. CBS Publication and Dist.	
Reference Books		
1.	Uma Narula , (2021). Dynamics Of Mass Communication Theory and Practice. Atlantic.	
2.	Anna Everett , (2022). New Media Theories of Practices. Routledge.	
3.	Uma Narula , (2022). Handbook of Communication Models, Perspectives, Strategies. Atlantic	
4.	Seema Hasan , (2022). Mass Communication Principles and Concepts. Cbs Publication and Dist.	
5.	Abhay Chawla , (2021). Introduction to Mass Communication. Pearson.	
Web Resources (Swayam / NPTEL)		
1.	https://onlinecourses.swayam2.ac.in/cec20_ge14/preview	
2.	https://onlinecourses.nptel.ac.in/noc20_ar15/preview	

Course Code	Course Name	Category	Hours / Week	Credits
26BVC14C	Design Thinking	Core - II	5	4

Course Objectives

The course intends to cover

- The design process and its approaches.
- The fundamental concepts of Design Thinking.
- The stages of Design Thinking for production.
- The problems in design process. New concepts based on design values.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO	CLO Statements	Knowledge Level
CLO1	Understand and adopt problem-solving process to reframe design challenges.	K2,K3
CLO2	Analyse and Enumerate appropriate Design Thinking approaches for a specific design problem.	K2 , K4
CLO3	Apply design thinking principles to develop plan of action and wireframe for specific design	K3, K4
CLO4	Develop prototypes for a design using available design tools and applications.	K5
CLO5	Evaluate a good design through the stages of Design Thinking.	K5
K2 - Understand; K3 - Apply; K4 - Analyze; K5- Evaluate;		

CLO – PLO Mapping

CLOs/PLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	1	2	2	2	3
CLO2	3	3	3	2	3
CLO3	2	3	2	2	3
CLO4	2	2	3	3	3
CLO5	3	3	2	2	3
3 - Substantial (high)		2 - Moderate (medium)		1 - Slight (low)	

Core – II: Design Thinking

Unit	Content	No. of Hours
I	Design Thinking Background: Definition of Design Thinking-Business uses of Design Thinking-Variety within the Design Thinking Discipline. Fundamental Concepts: Empathy, Ethnography, Divergent Thinking, Convergent Thinking, Visual Thinking.	15
II	Design Thinking Tools: "What Wows? What Works? What Is? What If?" Purposeful Use of Tools and Alignment with Process. Visualization-Aesthetics Principles for Designers. Stages of Design Thinking.	15
III	Design Thinking Methods: Journey Mapping, Archetype Mapping Matrix, Archetype Persona. Value Chain Analysis, Concept Development, Mind Mapping-Brainstorming.	15
IV	Design Mechanics and Resources: Assumption Testing-Design Criteria, Curator, Design Brief. Overview of Prototyping-Wire framing. Resources - People, Place, Materials, Organizational Fit. Human-Centered Design, User-Centered Design.	15
V	Design Thinking Practices: Role of Product Management in Design Process-Aids. Minimal Marketable Feature (MMF), Minimal Viable Ecosystem (MVE), Minimal Viable Product (MVP), Napkin Pitch. AI tools for Design Process.	15
Total Hours		75

Text Books

1.	Christian Mueller-Roterberg , (2018), Handbook of Design Thinking -Tips & Tools for how to design thinking Christian Mueller. Roterberg
2.	Branson, S. , (2020). Design Thinking: A Modern Approach For Making Crucial Business Decisions, Create Great Products And Manage Successful Startups And Companies. Independently Published.

Reference Books

1.	Christian Muller , (2022). Design Thinking Dummies. Wiley Brand.
2.	Balaram, S. (2011) . Thinking Design. Sage Publications.
3.	Cure, S., & Seggio, B. (2019) . Graphic Design Play Book: An Exploration of Visual Thinking (Logo, Typography, Website, Poster, Web, and Creative Design). Laurence King Publishing.
4.	Curedale, R. (2019) . Design Thinking Process & Methods. 5 th Edition. Design Community College Incorporated.
5.	Dan O'Hair, H., & O'Hair, M. J., (2020) . The Handbook of Applied Communication Research. John Wiley & Sons. den Dekker, T Design Thinking. Routledge.
6.	Hillmann, C. (2021) . UX for XR: User Experience Design and Strategies for Immersive Technologies. A Press.

Web Resources (Swayam / NPTEL)

1.	https://onlinecourses.swayam2.ac.in/cec20_ge14/preview
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Course Code	Course Name	Category	Hours / Week	Credits
26BVC15P	Visual Arts Lab	Core Lab - I	5	3

S. No.	Exercises	No. of Hours
ELEMENTS OF ART		
1	Types of lines Basic geometric and organic shapes, patterns and textures.	5
2	Light and shadow on shapes - shading of forms.	5
PERSPECTIVES		
3	Sketching using 1- point perspective,	10
4	2- point perspective, and 3- point perspective,	10
5	Linear and atmospheric perspective.	10
HUMAN PORTRAIT SKETCHING		
6	Profile of human portrait	10
7	Detail study of human portrait	10
VISUAL PERCEPTION		
8	Creating visuals with Gestalt Principles	5
9	Typography – Type as visual	5
10	Visual as type	5
Total Hours		75
Text Books		
1	Susan Owens. 2013. The Art of Drawing. V&A Publishing, South Kenigston London	
2	Stephen C.P Gardner. (2019). Drawing A Complete Guide. Thames & Hudson.	
Reference Books		
1	Kate Wilson. (2015). Drawing And Painting. Thames & Hudson.	
2	Saul Greenberg. (2012). Sketching User Experiences. Elsevier	
3	David Gill. (2018). Designing Art. Vendome	
4	Chrls Campe. (2020). Designing Fonts. Thames & Hudson	
5	Susan Owens. (2013). The Art of Drawing. V&A Publishing.	
6	Edwards, B. (1997). Drawing on the Right Side of the Brain.	

Course Code	Course Name	Category	Hours / Week	Credits
25BVC16P	Digital Drawing and Painting Lab	Allied Lab-I	3	3

S. No.	Exercises	No. of Hours
1	Create non-living objects for a landscape using Shapes and Shades.	4
2	Create Plants & Trees / Infographic elements using brush.	4
3	Create Cartoon figures with multilayer drawing / Isometric Image.	4
4	Create logo for your own interest.	4
5	Create a visiting card / two-page brochure.	4
6	Create Concept Environment using multiple images (layers).	5
7	Day and night of a landscape using Color correction and lighting techniques.	5
8	Create charcoal and pastel style matte paintings using custom brushes.	5
9	Create a photo realistic castle environment for camera projection.	5
10	Create a multi-plane parallax set up for a busy marketplace scene using 2D images.	5
Total Hours		45
Text Books		
1	Armin Niggli. (2022). Adobe Photoshop Cc 2018. Adobe Press.	
2	3D total Publishing. (2020). Beginner’s Guide to Digital Painting in Photoshop 2 nd Edition. 3D Total Publishing.	
Reference Books		
1	Bloom, S. R. (2012). Digital Painting in Photoshop. CRC Press.	
2	David Dabner. (2022). Graphic Design School. Thames & Hudson.	
3	Armin. (2021). Graphic Design Manual. Niggli.	
4	Dinur, E. (2021). The Complete Guide to Photorealism for Visual Effects, Visualization and Games. Routledge.	
5	Mattingly, D. B. (2011). The Digital Matte Painting Handbook. John Wiley & amp; Sons.	
6	Whitt, P. (2020). Practical Glimpse: Learn to Edit and Create Digital Photos and Art with This Powerful Open-Source Image Editor. A press.	
7	Kuhlman, G. (2019). GIMP for Beginners: First 12 Skills. Independently Published.	

Part – IV : Foundation Course

(All the Undergraduate Programmes)

Course Code	Course Name	Category	Hours / Week	Credits
26ENV1FC	Environmental Studies	FC- I	2	2

Unit	Content
I	The Multidisciplinary nature of environmental studies Definition; Scope and importance, Need for public awareness.
II	Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. - Forest resources: Use and Over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people. - Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams benefits and problems. - Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. - Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. - Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, Case studies. - Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.
III	Ecosystems - Concept of an ecosystem. - Structure and function of an ecosystem. - Producers, consumers and decomposers. - Energy flow in the ecosystem. - Ecological succession. - Food chains, food webs and ecological pyramids. - Introduction, types, characteristic features, structure and function of the following ecosystem: - a. Forest ecosystem b. Grassland ecosystem c. Desert ecosystem d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).

Unit	Content
IV	Biodiversity and its Conservation - Introduction-Definition: genetic, species and ecosystem diversity. - Bio geographical classification of India. - Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. - Biodiversity at global, National and local levels. - India as a mega-diversity nation. - Hot-spots of biodiversity. - Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. - Endangered and endemic species of India. - Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.
V	Environmental Pollution Definition - Causes, effects and control measures of: - a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards - Solid waste Management: Causes, effects and control measures of urban and industrial wastes. - Role of an individual in prevention of pollution. - Pollution case studies. - Disaster management: floods, earthquake, cyclone and landslides.
VI	Social Issues and the Environment - From Unsustainable to Sustainable development. - Urban problems related to energy. - Water conservation, rain water harvesting, watershed management. - Resettlement and rehabilitation of people; its problems and concerns. Case studies. - Environmental ethics: Issues and possible solutions. - Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies. - Wasteland reclamation. - Consumerism and waste products. - Environment Protection Act. - Air (Prevention and Control of Pollution) Act. - Water (Prevention and Control of Pollution) Act. - Wildlife Protection Act. - Forest Conservation Act. - Issues involved in enforcement of environmental legislation. - Public awareness.

Unit	Content	
VII	Human Population and the Environment - Population growth, variation among nations. - Population explosion-Family welfare Programme. - Environment and human health. - Human Rights. - Value Education. - HIV/AIDS. - Women and Child Welfare. - Role of information Technology in Environment and human health. - Case Studies. Biosafety and Biosecurity The basic principles of biosafety. - Biological hazards and assess risk in laboratory settings. - Biosafety protocols to minimize risks associated with biological agents. - Role of biosafety in the protection of public health, environment, and national security. The theoretical knowledge as well as practical applications to prepare learners for real-world biosafety challenges. 1. Introduction to Biosafety - Definition and importance of biosafety. - Historical perspective on biosafety incidents. - Biosafety vs. biosecurity: Key differences. 2. Biological Hazards and Risk Assessment - Classification of biological agents (e.g., bacteria, viruses, fungi, parasites). - Risk assessment methodology: Identifying hazards, evaluating risks, and control measures. 3. Biological Waste Management - Types of biological waste: Solid, liquid, sharps, etc. - Waste disposal techniques: Autoclaving, incineration, chemical disinfection. - Environmental impact and regulations surrounding waste management. 4. Standard Operating Procedures (SOPs) and Safety Practices - Developing and implementing SOPs for laboratory safety. - Practices for handling, storing, and disposing of biological materials.	
	VIII	Field Work (Practical). - Visit to a local area to document environmental assets-river/forest/grassland/hill/mountain. - Visit to a local polluted site-Urban/Rural/Industrial/Agricultural. - Study of common plants, insects, birds. - Study of simple ecosystems-pond, river, hill slopes, etc.
Total Hours		30
Reference Resources		
1.	https://www.ugc.gov.in/oldpdf/modelcurriculum/env.pdf	
2.	Biosafety in Microbiological and Biomedical Laboratories (CDC, NIH). (BMBL) 6 th Edition	
3.	Sateesh, M. K. (2010). Bioethics and Biosafety. New Delhi: I. K. International Pvt Ltd.	
4.	Additional Readings:Relevant journal articles, government publications, and guidelines (e.g., WHO, CDC, European Union, etc.). https://www.iberdrola.com/innovation/what-is-biosafety	

Part – IV : Ability Enhancement Compulsory Course(AECC)
(All the Undergraduate Programmes)

Course Code	Course Name	Category	Hours / Week	Credits
26SOF1AE	Soft Skills	AECC - I	2	2

Course Objectives

The course intends to cover

- The essential soft skills that is crucial for success in today's dynamic and interconnected workplace.

Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO	CLO Statements	Knowledge Level
CLO1	Understand the comprehensive skills to participate actively in conversation, writing short texts with expression	K1, K2, K3
CLO2	Infer the cohesive devices to describe and discuss any objects, pictures using compound, complex sentence forms.	K2, K3
CLO3	Comprehend the logic in the given situation to organize the ideas to write formal and informal letters.	K2, K3
CLO4	Understand the given material to organize it in a logical sequence to present a paragraph with main and supporting ideas with concluding sentences.	K3
CLO5	Present valuable ideas in conversation to emulate the main ideas and key points in short essays.	K3
K1 - Remember; K2 - Understand; K3 - Apply;		

Ability Enhancement Compulsory Course(AECC) - I : Soft Skills

Unit	Module	Details	No. of Hours
I	Presentation Skills		
	1	Getting to Know You: Grammar: Introduction to Tenses, Everyday English, Role-Play. Reading Activity: Different ways of communication. <i>Activities:</i> Fill in the blanks (Listening), Self Introduction (Speaking).	6
	2	My Day: Grammar: Present simple positive & negative/Adverbs of Frequency, Vocabulary & Speaking about Daily Activities. Listening: Observe and Answer/ Telling the time. <i>Activities:</i> Reading & Writing: Describe where you live.	
	3	Your World: Grammar: Possessive determiners. Listening: Positive & negative contractions. Reading & Writing: Personal profile. <i>Activities:</i> Talk about countries, nationalities (Vocabulary & Speaking).	
	4	The World of Work: Grammar: Yes/No & Wh Questions. Vocabulary & Speaking: Jobs. Listening: Recognize the schwa sound. <i>Activities:</i> Opening and closing an email (Reading & Writing).	
	5	Places and Things: Grammar: There is / there are, articles. Vocabulary & Speaking: Talk about rooms & furniture. Listening: Directions. Reading & Writing: Imperatives.	
	6	24 Hours: Grammar: Likes & Dislikes. Vocabulary & Speaking: Speak about hobbies and interests. Reading: Match the photos with descriptions. Writing: Write complete sentence using prompt. <i>Activities:</i> Observe & answer (Listening).	
		Practice: Listening & Speaking Presentations - Talking about how you learn – Understanding key information in a presentation – Writing sentences about you.	
II	Confidence		
	1	Clothes and Shopping: Grammar: Modal verbs/Adverbs of Frequency/Adjectives and Adverbs. Vocabulary & Speaking: Shopping. Reading & Writing: Product Review. <i>Activities:</i> Observe & answer (Listening).	6
	2	Travel & Transport: Grammar: Past simple questions. Vocabulary & Speaking: Talk about holidays. Listening: At the train station. <i>Activities:</i> Email - A perfect holiday (Reading & Writing).	
	3	Health & Fitness: Grammar: Past simple irregular verbs; Listening: Listen & Answer; Reading & Writing: Time sequencers; <i>Activities:</i> Talk about a healthy lifestyle (Vocabulary & Speaking)	
	4	Music: Grammar: Present perfect simple; Vocabulary & Speaking: Survey about music; Listening: Listen two people talk about music; <i>Activities:</i> Use adjectives and create sentences (Reading)	
	5	Let's go shopping: Vocabulary & Speaking: Town Survey; Listening: Listen and answer; Reading & Writing: Read and match; <i>Activities:</i> Countable & Uncountable (Grammar)	
		Practice: Writing a personal statement.	

Unit	Module	Details	No. of Hours
III	Creativity		6
	1	Cooking & Eating: Grammar: Some & Any, Quantifiers. Vocabulary & Speaking about Food & Drink. <i>Activities</i> Kitchen conversation (Listening). Reading an article & answering.	
	2	Survival: Grammar: Comparison of adjectives. <i>Activities</i> Describing people (Speaking and Vocabulary). Listening to an audio & Answering. Reading & Writing: Read and Answer.	
	3	Working Together: Grammar: Verb + Noun phrases. <i>Activities</i> Technology (Vocabulary & Speaking). Listening: Listen & Answer. Reading & Writing: Notice.	
	4	Music: Grammar: Present perfect simple. <i>Activities</i> Survey about music (Vocabulary & Speaking). Listen to two people talking about music (Listening). Reading: Use adjectives and create sentences.	
	5	Culture and Arts: Grammar: Present perfect. Vocabulary & Speaking activity: Speak on the phone. <i>Activities:</i> Listen and answer. Reading & Writing activity: Review.	
		Practice: Writing comparison sentences & paragraphs.	
IV	Problem-Solving		6
	1	Do's and Don'ts: Grammar, Modal Verbs. <i>Activities</i> Roleplay (Speaking). Holidays in January (Listening). Reading an article & answering.	
	2	Body: Grammar: First conditional. Vocabulary & Speaking about Personality & Appearance. <i>Activities</i> Conversations about personality (Listening), Reading & Writing: Read and Answer about your skills.	
	3	Speed: Grammar: Present simple passive. Vocabulary & Speaking about relationships. Listening: Listen & Answer. Reading and Error spotting.	
	4	Work: Grammar: Adverbs of manner. Vocabulary & Speaking about work advice. Listening: Observe & Answer; Reading: Read & check your ideas.	
		Practice: Writing argumentative and descriptive essays.	
V	Critical Thinking		6
	1	Influence: Grammar: would / past habits. Listening: Sentence Correction. <i>Activities</i> Your inspiration (Speaking). Picture description (Reading). Rewrite the sentences (Writing).	
	2	Money: Grammar: Second conditional. <i>Activities:</i> Radio programme (Listening). Talk about games (Speaking). Reading & Writing: Fill in the blanks.	
	3	Things that changed the world: Grammar: articles. <i>Activities</i> :Talk about chewing gum (Speaking & Listening). Reading & Writing: Read and write a book review.	
		Practice: Writing Emails, reports and proposals.	
Total Hours			30

Components for Internal Assessment and Distribution of Marks for CIA and ESE (Theory)

Max Marks	Marks for		Components for CIA						
100	CIA	ESE	CIA		Model		Attendance	Active Engagement	Total
	25	75	Actual	Weightage	Actual	Weightage	5	5	25
			50	5	75	10			

Question Paper Pattern

Component	Duration in Hours	Section A			Section B			Section C			Total
		Type of Question	No. of Questions	Marks	Type of Question	No. of Questions	Marks	Type of Question	No. of Questions	Marks	
CIA	2	MCQ	8	8x1=8	Either or	3	3x6=18	Either or	3	3x8=24	50
Model Exam / ESE	3	MCQ	10	10x1=10	Either or	5	5x5=25	Either or	5	5x8=40	75

Components for Internal Assessment and Distribution of Marks for CIA (Lab)

Max Marks	Marks for		Components for CIA						
	CIA	ESE	Test		Model		Experiments / Programs	Observation	Total
	40	60	Actual	Weightage	Actual	Weightage	Marks	5	40
100			50	10	60	15	10		

Examination Pattern

Component	Duration in Hours	Marks			Weightage
		Practical Exam	Record	Total Marks	
Test	2	50	-	50	10
Model	3	60	-	60	15
Experiments Completed	-	-	-	10	10
Observation Note	-	-	-	05	05
Total Marks - CIA					40
ESE	3	50	10	-	60

Max Marks	Marks for		Components for CIA				
50	CIA	ESE	CIA		Model		Total
			Actual	Weightage	Actual	Weightage	
	50	-	50	25	50	25	50

Duration in Hours	Mode of Exam	Type of Questions	No. of Questions	Marks
2	Offline	Open Choice	5 (Out of 8)	5 x 10=50

Duration in Hours	Mode of Exam	Type of Questions	No. of Questions	Marks
2	Online	MCQ	50	50x1=50

